

CLAIMS

What is claimed is:

- 1 1. A method a producing a mold from which a custom-fit implant may be directly
2 manufactured, the method comprising:
3 receiving medical image data representing surrounding portions of a
4 patient's anatomy to be repaired by surgical implantation of the custom-fit
5 implant;
6 performing three-dimensional surface reconstruction based on the medical
7 image data;
8 designing the custom-fit implant based on the three-dimensional surface
9 reconstruction;
10 creating a two-part mold with a void in the shape of the custom-fit implant
11 by subtracting a representation of the custom-fit implant from a representation of
12 a mold; and
13 outputting the two-part mold from which the custom-fit implant may be
14 directly manufactured.